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Claim 1 (amended). A process for continuous production of self-adhesive articles, wherein

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- a) essentially one polyol component is placed in a container A and essentially one isocyanate component is placed in a container B,
  - b) the polyol component and the isocyanate component are continuously supplied to and mixed in a mixer, to form a polyurethane-forming reactive mixture,
  - c) the polyurethane-forming reactive mixture is continuously applied to a first backing material which is coated with a pressure-sensitive adhesive composition and moves optionally at a constant speed, the isocyanate component and polyol component reacting on the adhesive-coated backing material to form a polyurethane composition,
  - d) the resulting laminate, comprising the first backing material, pressure-sensitive adhesive composition and polyurethane composition, is passed through a heat tunnel, in which the polyurethane composition cures,
  - e) the laminate is wound in a winding station.

Claim 2 (twice amended). The process as claimed in claim 1, wherein a second backing material is applied to the polyurethane-forming reactive mixture on the first backing material and, optionally is peeled off after the heating tunnel.

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